

Title (en)
CHAIN SAW

Title (de)
KETTENSÄGE

Title (fr)
SCIE À CHAÎNES

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Abstract (en)
The invention provides a chain saw, which has a housing (1), a guiding plate (3), a chain (4), a power system (2) and a tensioning component (5; 6; 7). The tensioning component (5; 6; 7) comprises a knob (51; 61; 71), a driving member (52; 62; 72) and a transmission assembly (53; 63; 73). When the chain is in a loose state, the knob (51; 61; 71) is forced to rotate and drives the transmission assembly (53; 63; 73) to rotate, and the transmission assembly (53; 63; 73) drives the driving member (52; 62; 72) to rotate, then the driving member (52; 62; 72) drives the guiding plate (3) to move to tension the chain (4). When the chain (4) is in an extension state, the knob (51; 61; 71) is forced to rotate, the driving member (52; 62; 72) stays still and skidding inside the tensioning component (5; 6; 7) is generated. The transmission assembly (53) comprises a bracket (531) and a plurality of elastic modules (532), the bracket (531) comprises a plurality of through holes (534) for accommodating the plurality of elastic modules (532) respectively, the elastic modules (532) comprise an elastic member (536) and a ball (537); wherein, the knob (53) comprises an end wall (510) with a plurality of inner teeth (511) arranged on an inner surface thereof, a positioning groove (5111) is arranged between two adjacent inner teeth (511), and wherein the ball (537) is arranged to be pushable by the elastic member (536) to latch with the positioning groove (5111).

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Citation (search report)
• [A] CN 205852983 U 20170104 - ZHEJIANG SAFUN IND CO LTD
• [A] US 6564459 B1 20030520 - STEINBRUECK EGBERT [DE], et al
• [A] CN 203282549 U 20131113 - CHANGZHOU CREATE APPLIANCE CO LTD
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• [A] CN 204975540 U 20160120 - SHANGYU GUANYE ELECTRICAL APPLIANCES CO LTD

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